

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: ANDY KASHNIKOW Examiner #: 60484 Date: 5/20/02
Art Unit: 3700 Phone Number 305-1137 Serial Number: 091845,599
Mail Box and Bldg/Room Location: CP2-2 A01 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Filing Date: _____

**For Sequence Searches Only* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.*

COMPLETED

LIT SEARCH 5,897,316

BEST AVAILABLE COPY

STAFF USE ONLY

Searcher: T. Solomon
Searcher Phone #: 305-5932
Searcher Location: CP2, 2E08
Date Searcher Picked Up: _____
Date Completed: 5-20-02
Searcher Prep & Review Time: 1
Clerical Prep Time: _____
Online Time: 3

Type of Search

NA Sequence (#) _____
AA Sequence (#) _____
Structure (#) _____
Bibliographic _____
Litigation ☒ _____
Fulltext _____
Patent Family _____
Other _____

Vendors and cost where applicable

STN _____
Dialog _____
Questel/Orbit _____
Dr. Link _____
Lexis/Nexis _____
Sequence Systems _____
WWW/Internet _____
Other (specify) _____

www.lexis.com

Results-Reissue Application filed

5/20/02 2:10 PM

1 of 1 DOCUMENT

5,897,316

GET 1st DRAWING SHEET OF 13

Apr. 27, 1999

Endodontic treatment system

REISSUE: Reissue Application filed Apr. 26, 2001 (O.G. Sep. 4, 2001) Ex. Gp.:
3732; Re. S.N. 09/845,599

(C) QUESTEL 1994
QUESTEL.ORBIT (TM) 1998

Selected file: PLUSPAT

** SS 1: Results 1

1 / 1 PLUSPAT - @QUESTEL-ORBIT

PN - US5897316 A 19990427 [US5897316]
TI - (A) Endodontic treatment system
IN - (A) BUCHANAN LEONARD STEPHEN (US)
AP - US23429094 19940428 [1994US-0234290]
PR - US23429094 19940428 [1994US-0234290]
IC - (A) A61C-005/02
EC - A61C-005/02B1
PCL - ORIGINAL (O) : 433102000
DT - Corresponding document
CT - USD250544; US-251598; USD283840; US1307446; US3908270; US4231738;
US4280808; US4299571; US4332561; US4340364; US4443193; US4518356;
US4527560; US4536159; US4538989; US4634378; US4674979; US4836780;
US4850867; US4934934; US4971556; US5017138; US5026284; US5125838;
US5219284; EP0257961 A; EP0501255 A; FR2597327 A; FR2617704 A;
FR2647663 A; CH291668 A; CH657981 A
Mani Apical Reamer, Matsutani Seisakusho Co., Ltd. (four pages).

Single-Step Engine Reamer, Dental Products Report Jun., 1988 (one page).

STG - (A) United States patent
AB - An endodontic system of shaping instruments, irrigation cannulas, filling instruments and materials designed to safely create specific tapers of root canal preparations and to clean, dry, seal, and restore them. The shaping instruments are a series of reamers, files, and handpiece burs, made of stainless steel, nickel-titanium, or other alloys, which impart several different specifically-tapered apertures in root canals. The instruments have one or more safety features to eliminate perforating curved roots, including shorter flute length as the angle of taper increases and variable sharpness along the length of the flute portion, as well as variable flute pitch along the length of the flute portion to maximize cutting efficiency and resistance to breakage, and a rounded tip to eliminate ledging. The hand instruments have a handle designed to optimize use of the instruments in apically directed, rotary cutting motions. The irrigation cannulas, the condensation heat carriers, pluggers, injection needles, and backfillers, and the materials, including drying paper points, filling materials, and restorative post systems, have shapes which match the canal tapers created by the shaping instruments.

1 / 1 LGST - @LEGSTAT

PN - US 5897316 [US5897316]
AP - US 234290/94 19940428 [1994US-0234290]
DT - US-P
ACT - 19940428 US/AE-A
APPLICATION DATA (PATENT)
US 234290/94 19940428 [1994US-0234290]

19990427 US/A
PATENT

20010904 US/RF
REISSUE APPLICATION FILED

UP - 20010426
2001-40

1 / 1 CRXX - @CLAIMS/RRX
PN - 5,897,316 D 19990427 [US5897316]
PA - Buchanan, Leonard Stephen
ACT - 20010426 REISSUE REQUESTED
ISSUE DATE OF O.G.: 20010904
REISSUE REQUEST NUMBER: 09/845599
EXAMINATION GROUP RESPONSIBLE FOR REISSUEPROCESS: 3732

Reissue Patent Number:

1 / 1 PAST - @Thomson Derwent
AN - 200136-001236
PN - 5897316 A [US5897316]
OG - 2001-09-04
ACT - REISSUE APPLICATION FILED

Selected file: INPADOC

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TI - ENDODONTISCHES BEHANDLUNGSSYSTEM
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - DE 69507912/95-A 19950428 [1995DE-6007912]
PR - US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02

1 / 2 LEGALI - @LEGSTAT
PN - DE 69507912 [DE69507912]
DT - DE-P
ACTE - 19990401 DE/REF-P
CORRESPONDS TO
(EP 684019 19990401 [EP-684019])

19990812 DE/8373
TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED
AND HAS BEEN PUBLISHED

20000323 DE/8364 [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 2000-12

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3 / 18 INPADOC - ©INPADOC
PN - EP 882433 A3 20000524 [EP-882433]
TI - ENDODONTIC TREATMENT SYSTEM
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IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - EP 98202438/98-A 19950428 [1998EP-0202438]
PR - EP 95302902/95-A3 19950428 [1995EP-0302902]
US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02
DS - CH* DE* ES* FR* GB* IT* LI* SE*

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PN - EP 1086659 [EP1086659]
AP - EP 00204403/00 19950428 [2000EP-0204403]
DT - EP-P
ACTE - 19950428 EP/AE-A
EP-APPLICATION
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20010404 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
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20010404 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

20010411 EP/RIN1
INVENTOR (CORRECTION)
BUCHANAN, LEONARD STEPHEN

20011031 EP/17P [+]
REQUEST FOR EXAMINATION FILED
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FR: TRANSLATION FILED

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PN - EP 1086659 A2 20010328 [EP1086659]
TI - ENDODONTIC TREATMENT SYSTEM
LA - ENG
IN - BUCHANAN, LEONARD STEPHEN
PA - BUCHANAN LEONARD STEPHEN [US]
AP - EP 204403/00-A 19950428 [2000EP-0204403]
PR - EP 98202438/98-A3 19950428 [1998EP-0202438]
EP 95302902/95-A3 19950428 [1995EP-0302902]
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IC - A61C-005/02
DS - CH* DE* ES* FR* GB* IT* LI* SE*

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20010411 EP/RIN1
INVENTOR (CORRECTION)
BUCHANAN, LEONARD STEPHEN

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FIRST EXAMINATION REPORT
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UP - 2002-01

3 / 3 LEGALI - @LEGSTAT
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19951129 EP/AK-A1 [+]
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19960529 EP/17P [+]

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19990224 EP/AK-B1 [+]
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CH DE ES FR GB IT LI SE

19990224 EP/B1 [+]
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19990226 EP/REG; CH/EP [+]
CH: ENTRY IN THE NATIONAL PHASE
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UP - 2002-17

5 / 18 INPADOC - ©INPADOC

PN - EP 1086659 A3 20010404 [EP1086659]
TI - ENDODONTIC TREATMENT SYSTEM
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PA - BUCHANAN LEONARD STEPHEN [US]
AP - EP 204403/00-A 19950428 [2000EP-0204403]
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US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02
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IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - EP 95302902/95-A 19950428 [1995EP-0302902]
PR - US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02
DS - CH* DE* ES* FR* GB* IT* LI* SE*

1 / 4 LEGALI - ©LEGSTAT

PN - EP 1086659 [EP1086659]
AP - EP 00204403/00 19950428 [2000EP-0204403]
DT - EP-P
ACTE - 19950428 EP/AE-A
EP-APPLICATION
EP 00204403/00 19950428 [2000EP-0204403]

20010328 EP/AC-P
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 684019 20010328 [EP-684019])

20010328 EP/AC-P
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 882433 20010328 [EP-882433])

20010328 EP/AK-A2 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH
REPORT:
CH DE ES FR GB IT LI SE

20010328 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

20010404 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
CH DE ES FR GB IT LI SE

20010404 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

20010411 EP/RIN1
INVENTOR (CORRECTION)
BUCHANAN, LEONARD STEPHEN

20011031 EP/17P [+]
REQUEST FOR EXAMINATION FILED
20010903

20020102 EP/AKX [+]
PAYMENT OF DESIGNATION FEES
CH DE ES FR GB IT LI SE

UP - 2002-01

2 / 4 LEGALI - @LEGSTAT
PN - DE 69507912 [DE69507912]
DT - DE-P
ACTE - 19990401 DE/REF-P
CORRESPONDS TO
(EP 684019 19990401 [EP-684019])

19990812 DE/8373
TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED
AND HAS BEEN PUBLISHED

20000323 DE/8364 [+]
NO OPPOSITION DURING TERM OF OPPOSITION
UP - 2000-12

3 / 4 LEGALI - @LEGSTAT
PN - EP 882433 [EP-882433]
AP - EP 98202438/98 19950428 [1998EP-0202438]
DT - EP-P
ACTE - 19950428 EP/AE-A
EP-APPLICATION
EP 98202438/98 19950428 [1998EP-0202438]

19981209 EP/AC-P
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 684019 19981209 [EP-684019])

19981209 EP/AK-A2 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH
REPORT:
CH DE ES FR GB IT LI SE

19981209 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

20000524 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:

CH DE ES FR GB IT LI SE

20000524 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

20010328 EP/AH-P
DIVISIONAL APPLICATION (ART. 76) IN:
(EP 1086659 20010328 [EP1086659])

20011010 EP/17P [+]
REQUEST FOR EXAMINATION FILED
20001107

20020102 EP/17Q [+]
FIRST EXAMINATION REPORT
20011112

UP - 2002-01

4 / 4 LEGALI - @LEGSTAT

PN - EP 684019 [EP-684019]

AP - EP 95302902/95 19950428 [1995EP-0302902]

DT - EP-P

ACTE - 19950428 EP/AE-A

EP-APPLICATION

EP 95302902/95 19950428 [1995EP-0302902]

19951129 EP/AK-A1 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH
REPORT:
CH DE ES FR GB IT LI SE

19951129 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT

19960529 EP/17P [+]
REQUEST FOR EXAMINATION FILED
960402

19980401 EP/17Q [+]
FIRST EXAMINATION REPORT
980211

19981209 EP/AH-P
DIVISIONAL APPLICATION (ART. 76) IN:
(EP 882433 19981209 [EP-882433])

19990224 EP/AK-B1 [+]
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT
SPECIFICATION:
CH DE ES FR GB IT LI SE

19990224 EP/B1 [+]
PATENT SPECIFICATION

19990226 EP/REG; CH/EP [+]
CH: ENTRY IN THE NATIONAL PHASE
<CH>

19990302 EP/ITF [+]
IT: TRANSLATION FOR A EP PATENT FILED
JACOBACCI & PERANI S.P.A.

19990401 EP/REF-P
CORRESPONDS TO:
(DE 69507912 19990401 [DE69507912])

19990402 EP/ET [+]
FR: TRANSLATION FILED

19990701 EP/REG; ES/FG2A
ES: DEFINITIVE PROTECTION
2130529T3
<ES>

20000216 EP/26N [+]
NO OPPOSITION FILED

20010328 EP/AH-P
DIVISIONAL APPLICATION (ART. 76) IN:
(EP 1086659 20010328 [EP1086659])

20020101 EP/REG; GB/IF02 [+]
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UP - 2002-17

7 / 18 INPADOC - @INPADOC
PN - EP 882433 A2 19981209 [EP-882433]
TI - ENDODONTIC TREATMENT SYSTEM
LA - ENG
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - EP 98202438/98-A 19950428 [1998EP-0202438]
PR - EP 95302902/95-A3 19950428 [1995EP-0302902]
US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02
DS - CH* DE* ES* FR* GB* IT* LI* SE*

1 / 3 LEGALI - @LEGSTAT
PN - EP 1086659 [EP1086659]
AP - EP 00204403/00 19950428 [2000EP-0204403]
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EP-APPLICATION
EP 00204403/00 19950428 [2000EP-0204403]

20010328 EP/AC-P
DIVISIONAL APPLICATION (ART. 76) OF:
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20010328 EP/AC-P
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 882433 20010328 [EP-882433])

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DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH
REPORT:
CH DE ES FR GB IT LI SE

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PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

20010404 EP/AK-A3 [+]

DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
CH DE ES FR GB IT LI SE

20010404 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

20010411 EP/RIN1
INVENTOR (CORRECTION)
BUCHANAN, LEONARD STEPHEN

20011031 EP/17P [+]
REQUEST FOR EXAMINATION FILED
20010903

20020102 EP/AKX [+]
PAYMENT OF DESIGNATION FEES
CH DE ES FR GB IT LI SE

UP - 2002-01

2 / 3 LEGALI - ©LEGSTAT

PN - EP 882433 [EP-882433]

AP - EP 98202438/98 19950428 [1998EP-0202438]

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ACTE - 19950428 EP/AE-A

EP-APPLICATION

EP 98202438/98 19950428 [1998EP-0202438]

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REPORT:
CH DE ES FR GB IT LI SE

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PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

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SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

20010328 EP/AH-P
DIVISIONAL APPLICATION (ART. 76) IN:
(EP 1086659 20010328 [EP1086659])

20011010 EP/17P [+]
REQUEST FOR EXAMINATION FILED
20001107

20020102 EP/17Q [+]
FIRST EXAMINATION REPORT
20011112

UP - 2002-01

3 / 3 LEGALI - ©LEGSTAT

PN - EP 684019 [EP-684019]

AP - EP 95302902/95 19950428 [1995EP-0302902]
DT - EP-P
ACTE - 19950428 EP/AE-A
EP-APPLICATION
EP 95302902/95 19950428 [1995EP-0302902]

19951129 EP/AK-A1 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH
REPORT:
CH DE ES FR GB IT LI SE

19951129 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT

19960529 EP/17P [+]
REQUEST FOR EXAMINATION FILED
960402

19980401 EP/17Q [+]
FIRST EXAMINATION REPORT
980211

19981209 EP/AH-P
DIVISIONAL APPLICATION (ART. 76) IN:
(EP 882433 19981209 [EP-882433])

19990224 EP/AK-B1 [+]
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT
SPECIFICATION:
CH DE ES FR GB IT LI SE

19990224 EP/B1 [+]
PATENT SPECIFICATION

19990226 EP/REG; CH/EP [+]
CH: ENTRY IN THE NATIONAL PHASE
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19990302 EP/ITF [+]
IT: TRANSLATION FOR A EP PATENT FILED
JACOBACCI & PERANI S.P.A.

19990401 EP/REF-P
CORRESPONDS TO:
(DE 69507912 19990401 [DE69507912])

19990402 EP/ET [+]
FR: TRANSLATION FILED

19990701 EP/REG; ES/FG2A
ES: DEFINITIVE PROTECTION
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20000216 EP/26N [+]
NO OPPOSITION FILED

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DIVISIONAL APPLICATION (ART. 76) IN:
(EP 1086659 20010328 [EP1086659])

20020101 EP/REG; GB/IF02 [+]
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01

<GB>
UP - 2002-17

8 / 18 INPADOC - @INPADOC
PN - EP 684019 B1 19990224 [EP-684019]
TI - ENDODONTIC TREATMENT SYSTEM
LA - ENG
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - EP 95302902/95-A 19950428 [1995EP-0302902]
PR - US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02
DS - CH* DE* ES* FR* GB* IT* LI* SE*

1 / 4 LEGALI - @LEGSTAT
PN - EP 1086659 [EP1086659]
AP - EP 00204403/00 19950428 [2000EP-0204403]
DT - EP-P
ACTE - 19950428 EP/AE-A
EP-APPLICATION
EP 00204403/00 19950428 [2000EP-0204403]

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DIVISIONAL APPLICATION (ART. 76) OF:
(EP 684019 20010328 [EP-684019])

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DIVISIONAL APPLICATION (ART. 76) OF:
(EP 882433 20010328 [EP-882433])

20010328 EP/AK-A2 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITHOUT SEARCH
REPORT:
CH DE ES FR GB IT LI SE

20010328 EP/A2 [+]
PUBLICATION OF APPLICATION WITHOUT SEARCH REPORT

20010404 EP/AK-A3 [+]
DESIGNATED CONTRACTING STATES IN A SEARCH REPORT:
CH DE ES FR GB IT LI SE

20010404 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

20010411 EP/RIN1
INVENTOR (CORRECTION)
BUCHANAN, LEONARD STEPHEN

20011031 EP/17P [+]
REQUEST FOR EXAMINATION FILED
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20020102 EP/AKX [+]
PAYMENT OF DESIGNATION FEES
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UP - 2002-01

2 / 4 LEGALI - @LEGSTAT
PN - DE 69507912 [DE69507912]

DT - DE-P
ACTE - 19990401 DE/REF-P
CORRESPONDS TO
(EP 684019 19990401 [EP-684019])

19990812 DE/8373
TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS RECEIVED
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NO OPPOSITION DURING TERM OF OPPOSITION
UP - 2000-12

3 / 4 LEGALI - @LEGSTAT

PN - EP 882433 [EP-882433]
AP - EP 98202438/98 19950428 [1998EP-0202438]
DT - EP-P
ACTE - 19950428 EP/AE-A
EP-APPLICATION
EP 98202438/98 19950428 [1998EP-0202438]

19981209 EP/AC-P
DIVISIONAL APPLICATION (ART. 76) OF:
(EP 684019 19981209 [EP-684019])

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CH DE ES FR GB IT LI SE

20000524 EP/A3 [+]
SEPARATE PUBLICATION OF THE SEARCH REPORT (ART. 93)

20010328 EP/AH-P
DIVISIONAL APPLICATION (ART. 76) IN:
(EP 1086659 20010328 [EP1086659])

20011010 EP/17P [+]
REQUEST FOR EXAMINATION FILED
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20020102 EP/17Q [+]
FIRST EXAMINATION REPORT
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UP - 2002-01

4 / 4 LEGALI - @LEGSTAT

PN - EP 684019 [EP-684019]
AP - EP 95302902/95 19950428 [1995EP-0302902]
DT - EP-P
ACTE - 19950428 EP/AE-A
EP-APPLICATION
EP 95302902/95 19950428 [1995EP-0302902]

19951129 EP/AK-A1 [+]
DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH
REPORT:
CH DE ES FR GB IT LI SE

19951129 EP/A1 [+]
PUBLICATION OF APPLICATION WITH SEARCH REPORT

19960529 EP/17P [+]
REQUEST FOR EXAMINATION FILED
960402

19980401 EP/17Q [+]
FIRST EXAMINATION REPORT
980211

19981209 EP/AH-P
DIVISIONAL APPLICATION (ART. 76) IN:
(EP 882433 19981209 [EP-882433])

19990224 EP/AK-B1 [+]
DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT
SPECIFICATION:
CH DE ES FR GB IT LI SE

19990224 EP/B1 [+]
PATENT SPECIFICATION

19990226 EP/REG; CH/EP [+]
CH: ENTRY IN THE NATIONAL PHASE
<CH>

19990302 EP/ITF [+]
IT: TRANSLATION FOR A EP PATENT FILED
JACOBACCI & PERANI S.P.A.

19990401 EP/REF-P
CORRESPONDS TO:
(DE 69507912 19990401 [DE69507912])

19990402 EP/ET [+]
FR: TRANSLATION FILED

19990701 EP/REG; ES/FG2A
ES: DEFINITIVE PROTECTION
2130529T3
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20000216 EP/26N [+]
NO OPPOSITION FILED

20010328 EP/AH-P
DIVISIONAL APPLICATION (ART. 76) IN:
(EP 1086659 20010328 [EP1086659])

20020101 EP/REG; GB/IF02 [+]
GB: EUROPEAN PATENT IN FORCE AS OF 2002-01-01
<GB>

UP - 2002-17

9 / 18 INPADOC - ©INPADOC
PN - ES 2130529 T3 19990701 [ES2130529]

TI - SISTEMA DE TRATAMIENTO ENDODONTICO.
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN
AP - ES 95302902/95-EP 19950428 [1995EP-0302902]
PR - US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02

1 / 1 LEGALI - @LEGSTAT
PN - ES 2130529 [ES2130529]
DT - ES-P
ACTE - 19990701 ES/FG2A
DEFINITIVE PROTECTION
684019
UP - 1999-27

10 / 18 INPADO - @INPADO
PN - JP 2000079130 A2 20000321 [JP2000079130]
TI - SET OF SUPPLEMENTAL APPARATUS WHICH IS USED IN CONNECTION WITH SET
OF FILE
IN - BUCHANAN LEONARD STEPHEN
PA - BUCHANAN LEONARD STEPHEN
AP - JP 278627/99-A 19990930 [1999JP-0278627]
PR - US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02

11 / 18 INPADO - @INPADO
PN - JP 3229770 B2 20011119 [JP3229770]
AP - JP 106540/95-A 19950428 [1995JP-0106540]
PR - US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02

12 / 18 INPADO - @INPADO
PN - JP 8056961 A2 19960305 [JP08056961]
TI - DENTAL TREATMENT SYSTEM
IN - RENAADO SUTEIIBUN BUKIYANAN
PA - RENAADO SUTEIIBUN BUKIYANAN
AP - JP 106540/95-A 19950428 [1995JP-0106540]
PR - US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02

13 / 18 INPADO - @INPADO
PN - KR 246495 B1 20000315 [KR-246495]
TI - ENDODONTIC TREATMENT SYSTEM AND FILESET
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - KR 9510325/95-A 19950428 [1995KR-0010325]
PR - US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02

14 / 18 INPADO - @INPADO
PN - US 5752825 A 19980519 [US5752825]
TI - ENDODONTIC TREATMENT SYSTEM
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN; LEONARD STEPHEN [US]
AP - US 653323/96-A 19960524 [1996US-0653323]
PR - US 653323/96-A 19960524 [1996US-0653323]
US 234290/94-A3 19940428 [1994US-0234290]

IC - A61C-003/00; A61C-019/00

1 / 1 LEGALI - @LEGSTAT
PN - US 5752825 [US5752825]
AP - US 653323/96 19960524 [1996US-0653323].
DT - US-P
ACTE - 19960524 US/AE-A
APPLICATION DATA (PATENT)
US 653323/96 19960524 [1996US-0653323]

19980519 US/A
PATENT
UP - 1998-35

15 / 18 INPADOC - @INPADOC
PN - US 5836764 A 19981117 [US5836764]
TI - ENDODONTIC TREATMENT SYSTEM
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - US 653324/96-A 19960524 [1996US-0653324]
PR - US 653324/96-A 19960524 [1996US-0653324]
US 234290/94-A3 19940428 [1994US-0234290]
IC - A61C-005/02

1 / 1 LEGALI - @LEGSTAT
PN - US 5836764 [US5836764]
AP - US 653324/96 19960524 [1996US-0653324]
DT - US-P
ACTE - 19960524 US/AE-A
APPLICATION DATA (PATENT)
US 653324/96 19960524 [1996US-0653324]

19981117 US/A
PATENT
UP - 1999-18

16 / 18 INPADOC - @INPADOC
PN - US 5842861 A 19981201 [US5842861]
TI - ENDODONTIC TREATMENT SYSTEM
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - US 653355/96-A 19960524 [1996US-0653355]
PR - US 653355/96-A 19960524 [1996US-0653355]
US 234290/94-A3 19940428 [1994US-0234290]
IC - A61C-005/02

1 / 1 LEGALI - @LEGSTAT
PN - US 5842861 [US5842861]
AP - US 653355/96 19960524 [1996US-0653355]
DT - US-P
ACTE - 19960524 US/AE-A
APPLICATION DATA (PATENT)
US 653355/96 19960524 [1996US-0653355]

19981201 US/A
PATENT
UP - 1999-03

17 / 18 INPADOC - ©INPADOC
PN - US 5897316 A 19990427 [US5897316]
TI - ENDODONTIC TREATMENT SYSTEM
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - US 234290/94-A 19940428 [1994US-0234290]
PR - US 234290/94-A 19940428 [1994US-0234290]
IC - A61C-005/02

1 / 1 LEGALI - ©LEGSTAT
PN - US 5897316 [US5897316]
AP - US 234290/94 19940428 [1994US-0234290]
DT - US-P
ACTE - 19940428 US/AE-A
APPLICATION DATA (PATENT)
US 234290/94 19940428 [1994US-0234290]

19990427 US/A
PATENT

20010904 US/RF
REISSUE APPLICATION FILED
20010426
UP - 2001-40

18 / 18 INPADOC - ©INPADOC
PN - US 5921775 A 19990713 [US5921775]
TI - ENDODONTIC TREATMENT SYSTEM
IN - BUCHANAN LEONARD STEPHEN [US]
PA - BUCHANAN LEONARD STEPHEN [US]
AP - US 653492/96-A 19960524 [1996US-0653492]
PR - US 653492/96-A 19960524 [1996US-0653492]
US 234290/94-A3 19940428 [1994US-0234290]
IC - A61C-005/02

1 / 1 LEGALI - ©LEGSTAT
PN - US 5921775 [US5921775]
AP - US 653492/96 19960524 [1996US-0653492]
DT - US-P
ACTE - 19960524 US/AE-A
APPLICATION DATA (PATENT)
US 653492/96 19960524 [1996US-0653492]

19990713 US/A
PATENT
UP - 1999-33

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